# The South Carolina Solid Waste Management Annual Report Fiscal Year 2003

# Department of Health & Environmental Control Bureau of Land & Waste Management Division of Mining & Solid Waste Management



# Prepared by:

The Solid Waste Planning and Compliance Section 2600 Bull Street Columbia, SC 29201

# Questions? Contact:

Pete Stevens <u>stevenpf@dhec.sc.gov</u> (803 896-4149

Celeste W. Duckett <u>ducketcw@dhec.sc.gov</u> (803) 896-4226

# TABLE OF CONTENTS

Chapter One Executive Summary

Defining Municipal Solid Waste and Measuring Solid Waste Activities • EPA link • South Carolina's Goals • Legislative Update • Demographics • Solid Waste Management • Department Oversight • Goals, Policies, Strategies and Barriers • Fiscal Impact Statement • Recommendations for Improving Solid Waste Management.

Chapter Two Legislative Update

Federal Government • State Government • Local Government

Chapter Three <u>Demographics</u>

Population • Tourism

## Chapter Four

## **Existing Solid Waste Management**

Generation and Characterization: Disposal Information, Recycling Information, State Generation ◆ Collection ◆ Transfer ◆ Treatment: Incineration, Processing ◆ Other Solid Waste Management Practices: Composting; Land Application of Solid Waste; Research, Development and Demonstration Projects ◆ Disposal: Municipal Solid Waste, Incinerator Ash Monofill, Sludge Monofill, Construction & Demolition Debris, Industrial, Tires ◆ Import and Export ◆Full Cost Disclosure for Fiscal Year 2003.

Chapter Five Department Oversight

Regulation Development: *Effective, Proposed, Repeals* • Planning • Compliance • Enforcement • Hydrogeology • Permitting • District Offices • Public Education and Technical Assistance • Grant Program • Solid Waste Advisory Council

# Chapter Six

#### **Future Solid Waste Management**

Generation and Characterization: *Collection, Transfer, Treatment, Disposal* ◆ Public Education and Technical Assistance: *Public Education Efforts, Technical Assistance, Grants* ◆ Special Waste ◆ Import and Export ◆ Innovative Technologies

Chapter Seven

Goals, Policies, Strategies and Barriers

Goals: Reduction Goal, Recycling Goal ◆ Policies ◆ Strategies ◆ Barriers

Chapter Eight The RMDAC Report

Introduction • RMDAC Link

## Chapter Nine

## **Updates from the Office of Solid Waste Reduction and Recycling**

The Office of Solid Waste Reduction and Recycling: ◆ The Education and Technical Assistance Section's Fiscal Year 2003 Annual Report: Education, Technical Assistance, Grants Overview

## Chapter Ten

FY03 Fact Sheet of South Carolina Information 
Fiscal Year 2003 Municipal Solid Waste Landfill and Municipal Solid Waste Incinerator Information 
Fiscal Year 2003 Solid Waste Disposal Information from the Municipal Solid Waste Landfill Annual Reports 
Solid Waste and Municipal Solid Waste Recycling Efforts, Total Solid Waste Disposal Data, and Total Solid Waste Generation for Fiscal Year 2003 
South Carolina Recycling Efforts, Municipal Solid Waste Generation, and the Solid Waste Goals for Fiscal Year 2003 
Fiscal Year 2003 Municipal Solid Waste Landfill Disposal, Disposal Rates and Remaining Capacities 
Municipal Solid Waste Generated for Disposal in Tons for Use in Demonstrating Need 
Total Solid Waste Recycling Efforts, Disposal, Generation and Rates for Fiscal Year 2003 
Fiscal Year 2003 Industrial Solid Waste Landfill Information in Tons 
Fiscal Year 2003 Construction & Demolition Debris Landfill Information in Tons 
InState Solid Waste Generation by Fiscal Year 
Per Capita Solid Waste Generation by Fiscal Year 
Per Capita New Fiscal Year 
Tons Disposed of In Municipal Solid Waste Landfills and Incinerators by Fiscal Year 
Disposal in Municipal Solid Waste Landfills and Incinerators by Fiscal Year 
Disposal in Municipal Solid Waste Landfills by Fiscal Year 
MSW Generated/Recycled by Fiscal Year 
MSW Generated Per Capita MSW Generation Rate by Fiscal Year 
MSW Generated/Recycled by Fiscal Year 
MSW Recycling Goal by Fiscal Year

#### Chapter Eleven

## **Local Government Planning Information**

County Contacts • Local Solid Waste Summary Information • County Recycling Tables • DHEC Permitted/Registered SW Facilities by County:

Abbeville, Aiken, Allendale, Anderson, Bamberg, Barnwell, Beaufort, Berkeley, Calhoun, Charleston, Cherokee, Chester, Chesterfield, Clarendon, Colleton, Darlington, Dillon, Dorchester, Edgefield, Fairfield, Florence, Georgetown, Greenville, Greenwood, Hampton, Horry, Jasper, Kershaw, Lancaster, Laurens, Lee, Lexington, McCormick, Marion, Marlboro, Newberry, Oconee, Orangeburg, Pickens, Richland, Saluda, Spartanburg, Sumter, Union, Williamsburg, York

#### Chapter Twelve

#### **Contacts and Reference Materials**

#### Contacts:

SWAC • SC RMDAC • Department Contacts: SW Regulation Development, Planning, Compliance: Facility Engineering; Hydrogeology; Enforcement; Reduction & Recycling Education Technical Assistance, Grants; District Offices • County Contacts: County Administrators, Recycling Coordinators, Solid Waste Contacts • Solid Waste Facility Contacts, Local Demographics and Collection Information

#### Solid Waste Facilities:

Solid Waste Facilities Organized by County of Location • Lists of Solid Waste Facilities by Facility Types: Ash Monofill Landfill; Bioremediation; Composting, Wood Shipping/Shredding Facilities; Construction and Demolition Debris, and LCD Landfill, Parts I-IV; Solid Waste Incinerators; Industrial Solid Waste Landfills; Solid Waste Land Applications; Municipal Solid Waste Landfills; Sludge Monofills; Solid Waste Processing Facilities; Solid Waste Transfer Stations; Used Oil Facilities; Waste Tire Facilities

#### Resources:

South Carolina Solid Waste Policy and Management Act and Solid Waste Regulations • State Demographics • South Carolina Recycling by Commodity and Source • Solid Waste Definitions • Scope of Materials and Activities Included in the Definition of Municipal Solid Waste and Municipal Solid Waste Recycling • Sources of Municipal Solid Waste and Typical Examples of Municipal Solid Waste • Identifying the Key Players in Solid Waste Management and the Preferred Approaches for Data Collection • Troubleshooting Potential Collection Problems to Ensure a high Response Rate • Standard Volume-To-Weight Conversion Factors

# Appendix

		Page
Chapter		2.2
3.0	South Carolina Population Information for Fiscal Year 2003.	3-2
<u>Chapter</u>		4 1
4.0	South Carolina Total Solid Waste Generated in Tons by Fiscal Year.	4-1
4.1	South Carolina Municipal Solid Waste Landfilled or Combusted in Tons by Fiscal Year.	4-2 4-2
4.2	South Carollina Per Capita Municipal Solid Waste Disposal by Fiscal Year	4-2 4-6
4.3 4.4	Number of Permitted Processing Facilities by Fiscal Year.	4-0 4-7
4.4	Number of Registered Composting Sites by Fiscal Year.  Number of Permitted Construction and Demolition Debris Landfills by Fiscal Year.	4-7
4.6	Number of Permitted Construction and Demontion Deoris Landrins by Fiscal Tear.  Number of Permitted Industrial Solid Waste Landfills by Fiscal Year.	4-9
4.7	Number of Permitted Waste Tire Facilities by Fiscal Year.	4-10
4.8	Fiscal Year 2003 Full Cost Disclosure.	4-12
Chapter		7-12
7.0	Total Solid Waste Recycling Efforts by Fiscal Year.	7-3
Chapter		, 5
9.0	Grant Summary Fiscal Year 2003.	9-7
9.1	Fiscal Year 2003 Recycling and Waste Reduction Grant Recipients.	9-7
9.2	Fiscal Year 2003 Waste Tire Grant Recipients.	9-8
9.3	Fiscal Year 2003 Automobile Dismantler Grant Recipients.	9-9
9.4	Fiscal Year 2003 Used Oil Grant Recipients.	9-9
9.5	Fiscal Year 2003 Recycling Education Grant Recipients.	9-11
9.6	Fiscal Year 2003 Collegiate Recycling Grant Recipients.	9-11
Chapter		
10.0	Fiscal Year 2003 Fact Sheet of South Carolina Information.	10-1
10.1	Fiscal Year 2003 Municipal Solid Waste Landfill and	
	Municipal Solid Waste Incinerator Information.	10-1
10.2	Fiscal Year 2003 Solid Waste Disposal Information from the	
	Municipal Solid Waste Landfill Annual Reports.	10-1
	Solid Waste and Municipal Solid Waste Recycling Efforts, Total Solid Waste	
	Disposal Data, and Total Solid Waste Generation for Fiscal Year 2003.	10-1
10.3	South Carolina Recycling Efforts, Municipal Solid Waste Generation, and the	
	Solid Waste Goals for Fiscal Year 2003.	10-1
10.5	Fiscal Year 2003 Municipal Solid Waste Landfill Disposal, Disposal Rates,	
40.	and Remaining Capacities.	10-1
10.6	Municipal Solid Waste Generated for Disposal in Tons for Use in Demonstrating Need.	10.1
10.7	Total Solid Waste Recycling Efforts, Disposal, Generation and Rates for Fiscal Year 2003.	10-1
10.8	Fiscal Year 2003 Industrial Solid Waste Landfill Information in Tons.	10-1
10.9	Fiscal Year 2003 Construction & Demolition Debris Landfill Information in Tons.	10-1
10.10	In-State Solid Waste Generation by Fiscal Year.	10-1
10.11	Per Capita Solid Waste Generation by Fiscal Year. Per Capita Disposal Rate by Fiscal Year.	10-1 10-1
10.12 10.13	Solid Waste Recycled by Fiscal Year.	10-1
10.13	Solid Waste Recycling Rates by Fiscal Year.	10-1
10.14	Per Capita Recycling Rates by Fiscal Year.	10-1
10.15	Per Capita Disposal Rates by Fiscal Year.	10-1
10.17	Tons Disposed of In Municipal Solid Waste Landfills and Incinerators by Fiscal Year.	10-1
10.17	Disposal in Municipal Solid Waste Landfills by Fiscal Year.	10-1
10.19	MSW Reduction Goal by Fiscal Year.	10-1
10.20	Per Capita MSW Generation Rate by Fiscal Year.	10-1
10.21	MSW Generated/Recycled by Fiscal Year.	10-1
10.22	MSW Recycling Goal by Fiscal Year.	10-1

Need Help? Contact stevenpf@dhec.sc.gov